

Operator Controls

The following section describes the operator controls on the spray gun and line stiper.

Spray Gun Trigger Lock

Engage the trigger lock whenever the gun is not in use.

The gun is locked when the trigger lock is at a 90° angle (perpendicular to the trigger in either direction).



NOTE: If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.

Spray Lever

The spray lever is located on the cart handle. The spray lever controls the trigger on the spray gun.

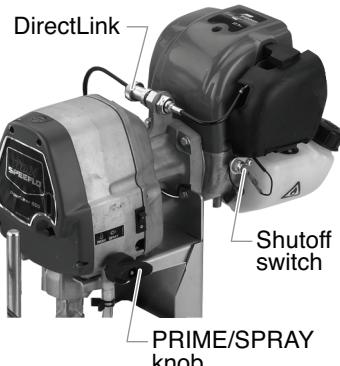
Fully pulling the spray lever triggers the spray gun. While striping, the spray lever should be fully pulled for proper operation.



DirectLink™

Spraying pressure is determined by the motor throttle.

The throttle is regulated by adjusting the DirectLink™ pressure control knob. The higher the throttle, the higher the spraying pressure.



PRIME/SPRAY Knob

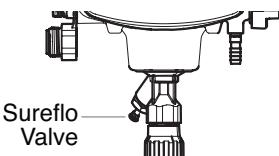
The PRIME/SPRAY knob directs material to the material return tube when set to PRIME or to spray hose when set to SPRAY.

The arrows on the PRIME/SPRAY knob shows the rotation directions for PRIME and SPRAY.

Shutoff Switch

The engine shutoff switch will shut the engine off when it is running.

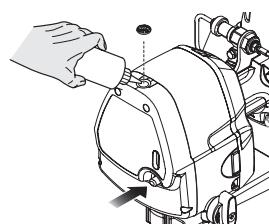
Press and hold the shutoff switch in order to shut the engine off.



Sureflo™ Valve

The Sureflo™ Valve is designed to keep the inlet valve open and from sticking to dried materials.

The Sureflo Valve is activated manual by the user.



AutoOiler™

The AutoOiler is designed to provide lubrication to the fluid section of the pump. After initial setup, press the AutoOiler button 2-3 times before each use.

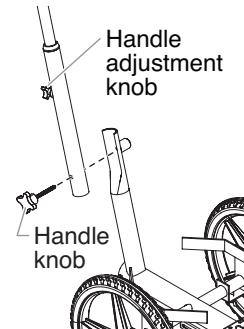
Setup

Perform the following procedure before starting the engine of a gas-powered line stiper.



This equipment produces a fluid stream at extremely high pressure. Read and understand the warnings in the Safety Precautions section at the front of this manual before operating this equipment.

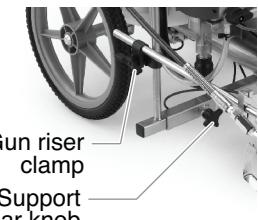
1. Attach the handle to the cart.
 - a. Line up the hole in the bottom of the handle with the support weldment on the cart.
 - b. Thread the bolt through the hole in the handle and the weldment. Tighten by turning the knob of the bolt clockwise.
 - c. Position the handle at the desired height. Loosen the knob on the rear of the support weldment in order to loosen the handle.
 - d. Pull the handle up or down to the desired height. Tighten the handle knob in order to secure the handle.
2. Make sure that the siphon tube and the return hose are attached and secure.
3. Using a wrench, thread the airless spray hose to the outlet fitting on the sprayer. Tighten securely.
4. Attach an airless spray gun to the spray hose. Using two wrenches (one on the gun and one on the hose), tighten securely.



NOTE: The spray gun and cables are mounted to the gun support bar at the factory.

NOTE: Do not attach the tip to the spray gun yet. Remove the tip if it is already attached.

5. Position the spray gun.
 - a. Loosen the support bar knob and slide the gun support bar to the desired horizontal position. Make sure the gun is far enough away from the cart so that the rear wheel does not track over the fresh spray pattern.
 - b. Loosen the gun riser clamp and slide the spray gun to the desired vertical position. A distance of 6" from the tip to the spray surface is a good starting point.



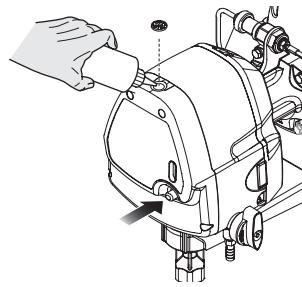
NOTE: The height of the spray gun affects the width of the spray pattern (i.e., the lower the gun, the smaller the line width). Tip size also affects line width.

6. Make sure the gun cable is operating properly. When pulling the spray lever on the cart handle, the gun cable should be pulling the trigger. This cable is factory-set to operate properly. If adjustment to the gun trigger tension is required, refer to the "Adjusting the Trigger Tension" procedure in the Maintenance section of this manual.
7. Turn the PRIME/SPRAY knob to the PRIME position.



IMPORTANT: Never operate unit for more than ten seconds without fluid. Operating this unit without fluid will cause unnecessary wear to the packings.

8. Remove AutoOiler cap with a flat blade screwdriver. Squirt Piston Lube™ into the AutoOiler. Replace cap.
9. Push AutoOiler button 2-5 times to lubricate the fluid section.
10. Check the engine oil level. The gasoline engine oil level is determined by the manufacturer. Refer to the engine manufacturer's service manual (supplied).
11. Fill the gas tank on the engine with unleaded gasoline only. Do not mix the gasoline with 2-cycle oil.



Preparing to Paint

Before painting, it is important to make sure that the fluid in the system is compatible with the paint that is going to be used.

NOTE: If this unit is new, it is shipped with test fluid in the fluid section to prevent corrosion during shipment and storage. This fluid must be thoroughly cleaned out of the system before you begin spraying.

Incompatible fluids and paint may cause the valves to become stuck closed, which would require disassembly and cleaning of the sprayer's fluid section.

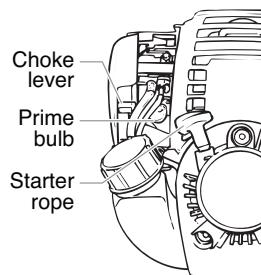
IMPORTANT: Always keep the trigger lock on the spray gun in the locked position while preparing the system. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock.

1. Place the siphon tube into a container of the appropriate solvent for the material being sprayed (refer to recommendations of the material manufacturer). An example of the appropriate solvent is water for latex paint.
2. Place the return hose into a metal waste container.
3. Turn the PRIME/SPRAY knob to the PRIME position.
4. Fully depress the pusher stem to make sure the inlet ball is free.
5. Turn the DirectLink pressure control knob fully clockwise to minimum.



6. Start the engine:

- a. Move the choke lever up to the full choke position.
- b. Push the rubber prime button 7-10 times.
- c. Pull the starter rope rapidly and firmly. Continue to hold the rope as you let it return. Pull and return the rope until the engine starts.
- d. Once the engine is running, slowly move the choke lever down to the closed position.



NOTE: If you are having trouble starting the motor, rotate the DirectLink pressure control knob 1-2 turns counter-clockwise.

7. Slowly turn the DirectLink pressure control knob counterclockwise to increase the pressure until fluid starts to come out of the return hose. Use only enough pressure to keep the fluid coming out.
8. Allow the sprayer to run for 15–30 seconds to flush the test fluid out through the return hose and into the waste container.
9. Turn the DirectLink pressure control knob fully clockwise to minimum.
10. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.

NOTE: Make sure that the spray gun does not have a tip or tip guard installed.

11. Place a metal waste container underneath the spray gun to catch the solvent.
12. Start the engine.
13. Turn the PRIME/SPRAY knob to the SPRAY position.
14. Turn the DirectLink pressure control knob slowly counterclockwise to increase the pressure.
15. Unlock the gun by turning the gun trigger lock to the unlocked position.
16. Fully pull the spray lever on the cart handle. Fluid will begin flowing through the spray hose and out of the gun.
17. Continue to pull the spray lever on the cart handle until the old solvent/test fluid is gone and fresh solvent is coming out of the gun.
18. Release the spray lever.
19. Lock the gun by turning the gun trigger lock to the locked position. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.
20. Check the entire system for leaks. If leaks occur, turn the sprayer off and follow the "Pressure Relief Procedure" in this manual before tightening any fittings or hoses.
21. Follow the "Pressure Relief Procedure" in this manual before changing from solvent to paint.



Be sure to follow the Pressure Relief Procedure when shutting the unit down for any purpose, including servicing or adjusting any part of the spray system, changing or cleaning spray tips, or preparing for cleanup.

Painting

1. Place a five gallon bucket of material between the bucket holders on the cart. Make sure the bucket holders hold the five gallon bucket securely. Adjust the bucket holders using the thumb screw located underneath each holder, if necessary.

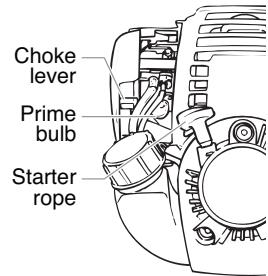
NOTE: When using this line striper for first time, it may be helpful to use water in place of paint to gain familiarity with the operation of the line striper. After changing from water to paint, test spray several lines on cardboard, roofing felt, or rosin paper before striping to ensure correct line width.

2. Place the siphon tube into the bucket of material.
3. Place the return hose into a metal waste container.
4. Turn the PRIME/SPRAY knob to the PRIME position.
5. Fully depress the pusher stem to make sure the inlet ball is free.
6. Turn the DirectLink pressure control knob fully clockwise to minimum.



7. Start the engine:

- a. Move the choke lever up to the full choke position.
 - b. Push the rubber prime button 7-10 times.
 - c. Pull the starter rope rapidly and firmly. Continue to hold the rope as you let it return. Pull and return the rope until the engine starts.
 - d. Once the engine is running, slowly move the choke lever down to the closed position.
8. Slowly turn the DirectLink pressure control knob counterclockwise to increase the pressure until fluid starts to come out of the return hose. Use only enough pressure to keep the fluid coming out.
 9. Allow the sprayer to run for 15–30 seconds to flush the test fluid out through the return hose and into the waste container.
 10. Turn the DirectLink pressure control knob fully clockwise to minimum.
 11. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.
 12. Remove the return hose from the waste container and place it in its operating position above the bucket of material.
 13. Start the engine.
 14. Turn the PRIME/SPRAY knob to the SPRAY position.
 15. Unlock the gun by turning the gun trigger lock to the unlocked position.
 16. Turn the DirectLink pressure control knob slowly counterclockwise to increase the pressure.
 17. Fully pull the spray lever on the cart handle. Fluid will begin flowing through the spray hose and out of the gun.
 18. Continue to pull the spray lever on the cart handle until material is coming out of the gun.
 19. Release the spray lever.



20. Lock the gun by turning the gun trigger lock to the locked position. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.
21. Turn the DirectLink pressure control knob fully clockwise to minimum.
22. Turn the PRIME/SPRAY knob to PRIME.
23. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.
24. Attach tip guard and tip to the spray gun. Refer to the instructions later in this section.



POSSIBLE INJECTION HAZARD. Do not spray without the tip guard in place. Never trigger the gun unless the tip is in either the spray or the unclog position. Always engage the gun trigger lock before removing, replacing or cleaning tip.

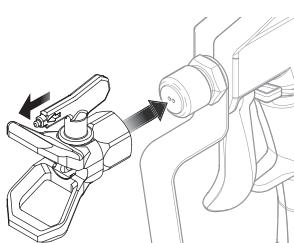
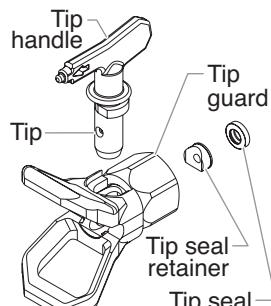
25. Start the engine.
26. Turn the PRIME/SPRAY knob to SPRAY.
27. Fully pull the spray lever on the cart handle to trigger the spray gun. Test the spray pattern and line position on a long piece of roofing felt or cardboard. Check for proper line width and position. If adjustment to the position of the spray gun is required, refer to the "Setup" procedure earlier in this section.
28. Make sure that the spray gun shuts off completely when the gun trigger is released. If adjustment to the trigger tension is required, refer to the "Adjusting the Trigger Tension" procedure in the Maintenance section of this manual.
29. Begin striping.
 - a. Position the line striper slightly in front of the striping path.
 - b. Start walking with the line striper and trigger the gun at the beginning of the striping path.
 - c. At the end of striping path, release the trigger and continue walking a short distance, if possible.

NOTE: Triggering the gun after the line striper is moving and releasing the trigger before the line striper stops produces an evenly painted line from start to finish. If the striping path ends at an obstacle, release the trigger at the same moment that the line striper stops moving.

Attaching the Tip Guard and Tip

Use the following procedure to install the tip guard and tip to the spray gun.

1. Perform the "Pressure Relief Procedure" described in this manual.
2. Using the arrow head on the tip handle, insert the tip seal and tip seal retainer into the back of the tip guard. Press in for final adjustment.
3. Insert the tip into the slot on the tip guard.
4. Thread the tip guard onto the gun. Position the tip guard in the desired spraying position and tighten securely.



NOTE: The arrow on the tip handle should be pointing in the forward direction for spraying.